

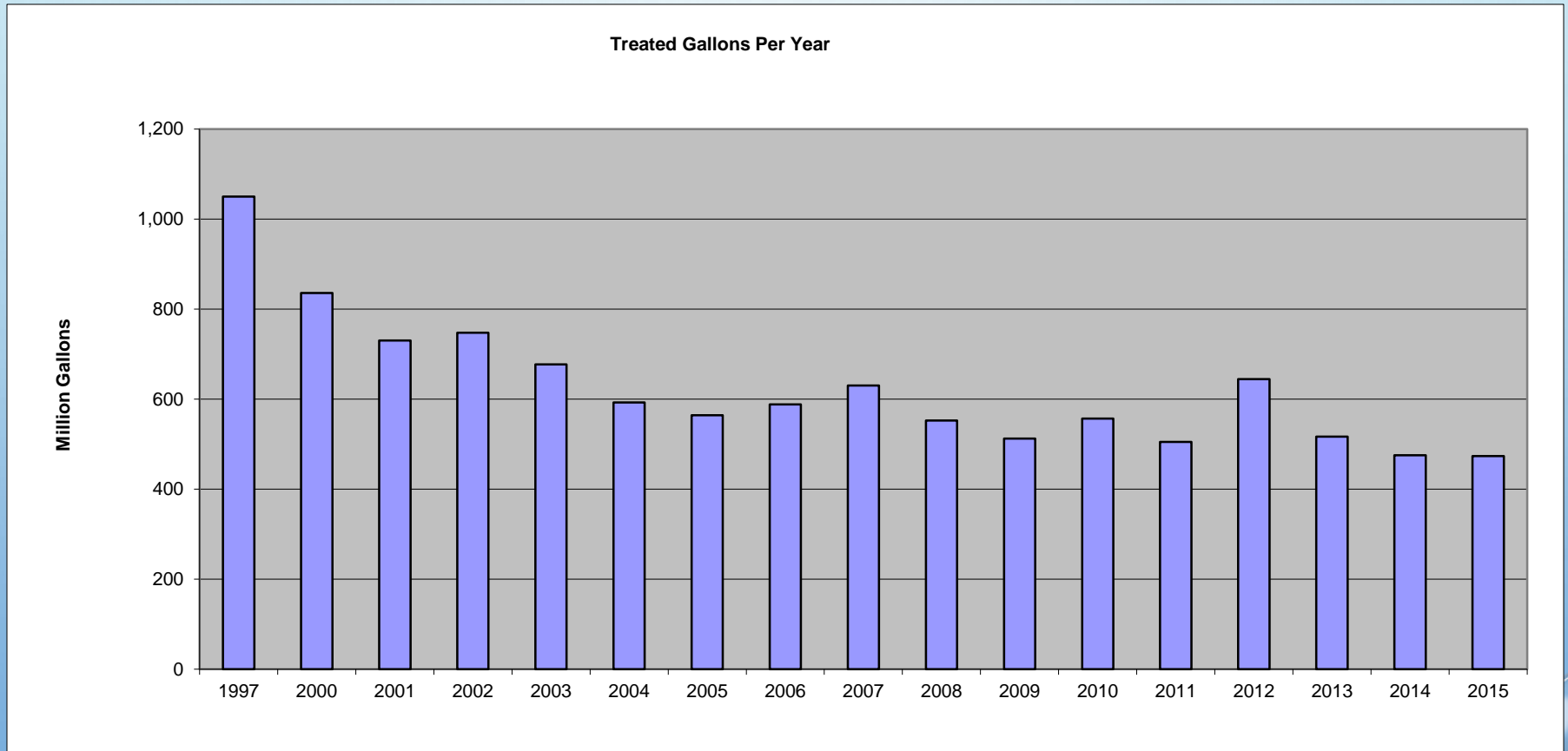
The background of the slide is a light blue gradient with several realistic water droplets of various sizes scattered across it. In the center, there is a rectangular inset image showing a close-up of a heavily corroded, rusty metal surface. The rust is a mix of brown, orange, and reddish hues, with some areas appearing more pitted and deeper. The text is overlaid on this central image.

CITY OF TORRINGTON WATER/WASTEWATER DEPARTMENT 2015 ANNUAL REPORT

WATER SYSTEM YEARLY TOTALS 2015

SYSTEM YEAR TOTALS		
Golf Course	HOURS	6,879.3
Wells	GALLONS	510,746,000
RO'S	HOURS	4,645.0
calc	RAW	136,610,808
	PERM	104,735,190
	CNCNTRT	31,875,618
COT	HOURS	3,818.0
BOOSTERS	GALLONS	153,450,000
HZ % of Treated		32.42%
PRISON	HOURS	2,108.0
BOOSTERS	GALLONS	25,618,000
PRISON % of Treated		5.41%
HSP's	HOURS	4,547.4
	GALLONS	456,946,000
TREATED GALLONS		473,340,000
TREATED MGD/AVG		1.29
RAW GALLONS		510,746,000
RAW MGD/AVG		1.39
ANTISCALANT USE		700
CHLORINE USE		6,328
2015 Non Potable Gal		244,702,873
	Acre Ft	750.97
Raw and Non Pot Combined		
	Acre Ft	2,318

POTABLE WATER TREATED GALLONS PER YEAR





EPA WATER SAMPLING

- 84 BACTERIOLOGICAL SAMPLES
- 20 LEAD AND COPPER SAMPLING
- 2 RADIONUCLIDE SAMPLES
- 3 NITRATE SAMPLES
- 2 VOC, SOC AND IOC SAMPLES EVERY THREE YEARS
- MULTIPLE PROCESS CONTROL SAMPLES
- GE QUARTERLY MULTIPLE TESTING SAMPLES

All samples meet and exceed EPA Compliance

COMPLETED OVER 98 JOB REPORTS AND EXCAVATIONS:

City of Torrington Water & Wastewater Department Job Report

Location:	501 Albany Ave	Date:	10/28/2015
Job:	water main repair		
Start Date:	10/28/2015	Finish Date:	10/28/2015
Man Hrs:	17		
Locate #	2015441068	Date:	10/28/2015
Type:	emergency	By:	CP
On Site Supervisor:	Chris Powell		
Workers:	Dale Radford, Dave Burt, Jake Streets, Tom Troxel		
Equipment Used:	street saw, quickie saw, truck 24, Rodder, Mack from streets,		
Parts:	1- 8" repair clamp		
Parts Person:	CP		
Safety/JSA:	cones, road closed to thru traffic barricades		
Outside Sources:	G&L Concrete, Jake from Streets		
Concrete:	2.5 yds	Completion Date:	10/28/2015
Area for SOD:	n/a		
Comments:	water surfaced in the street at 0130 on 10-28-15 and area was coned off for the night. See valve closed map for shut down area. Shallow main depth caused us to use the Vector to excavate and eliminate water from dig. After prepping broken main (see pix) a repair sleeve/clamp was attached, backfilled with dry dirt, main valves were opened and flushed out hydrant.		
Removed remaining mud, backfilled with dirt then base and tamped. Poured new curb and gutter along with the street patch and covered with concrete blanket.			
Operator:	Dale Radford 1712	Signature:	
Supervisor:	Chris Powell	Signature:	



ITS TIME TO UPGRADE!! THE SAME WATER MAIN IS STILL IN PLACE

1953



2016



OVER 50,000 FEET OF CORRODED AND
DETERIORATING 4 INCH WATER LINES. THIS
EQUALS OVER 15 MILLIONS DOLLARS IN
WATER LINE REPAIRS ARE NEEDED NOW!

27TH AND EAST A



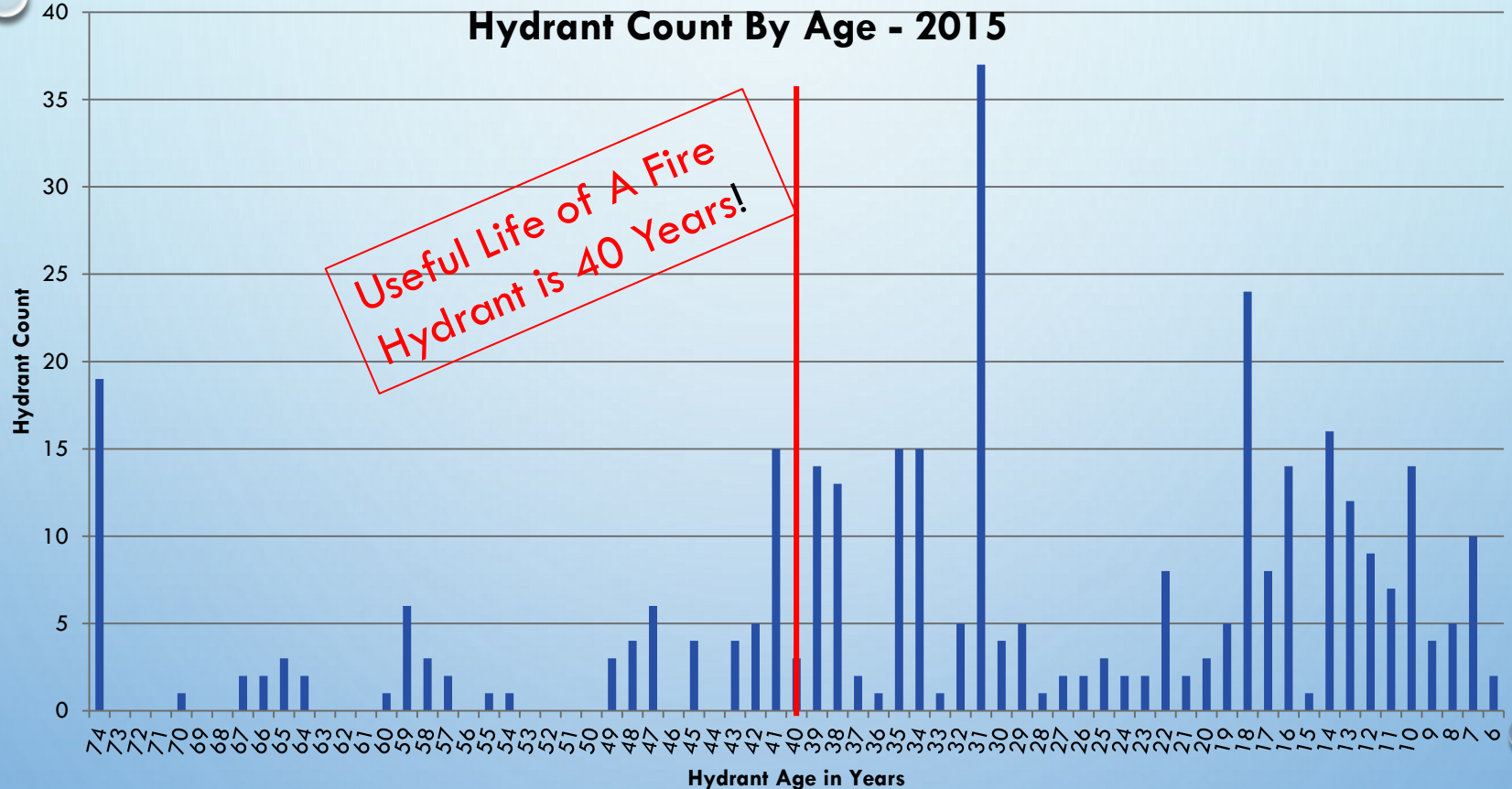
WEST A WATER MAIN



**YES THIS IS A WATER MAIN IN TORRINGTON!
SUPPORT UTILITY RATE INCREASES FOR
REPLACEMENT OF THE AGING WATER
INFRASTRUCTURE!**

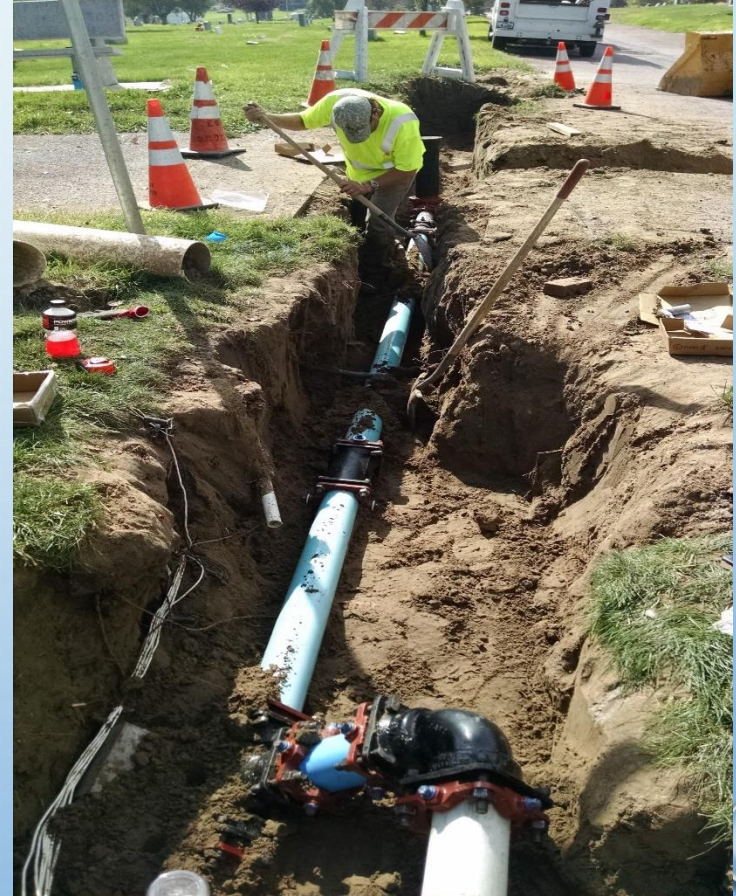


AGING FIRE HYDRANTS



85 Fire Hydrants are at or over 40 year life span. 29.21% are needing replaced now!

CEMETERY WATER INFRASTRUCTURE



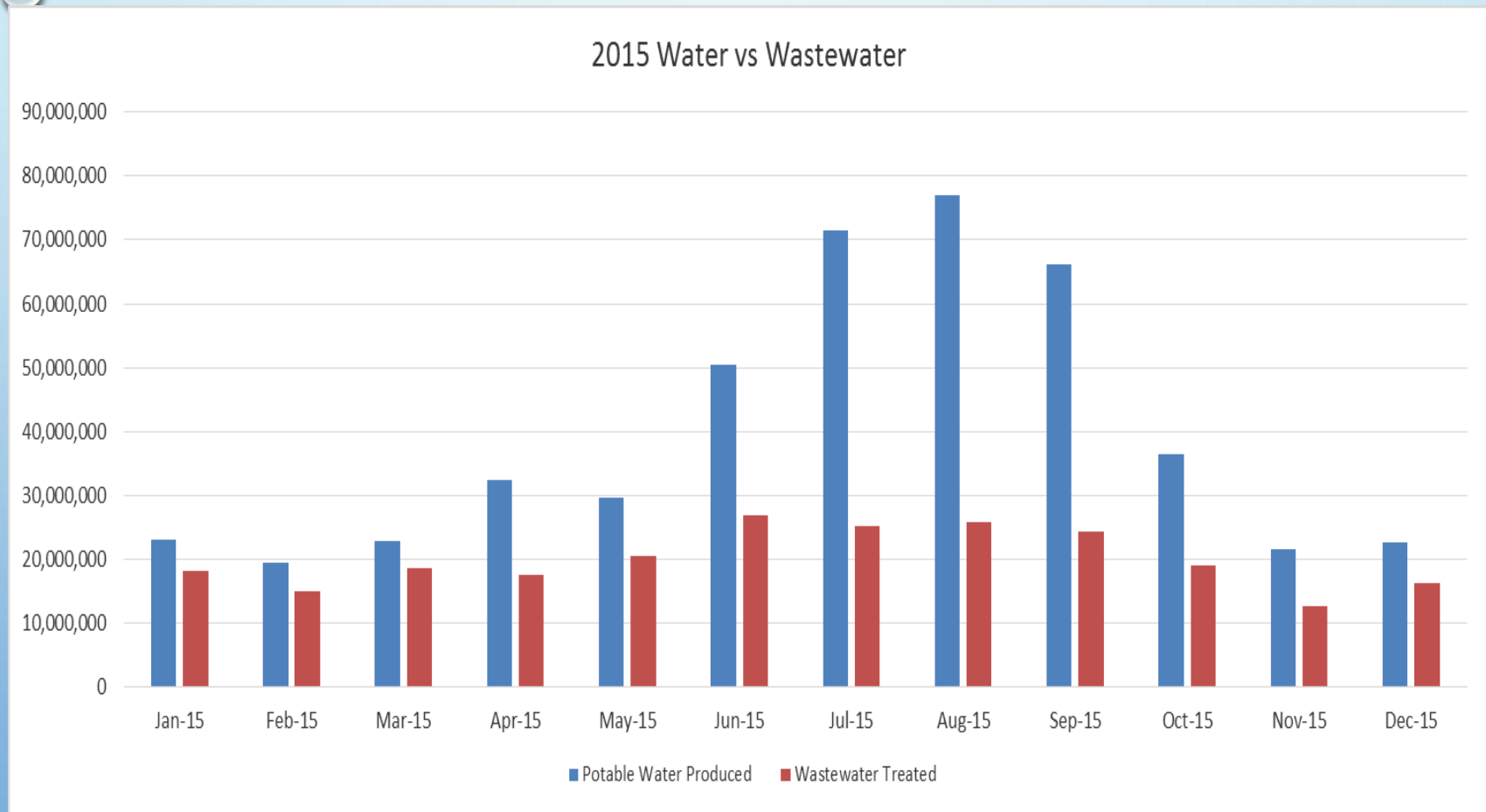
ANNUAL PRISON CORRIDOR VALVE & HYDRANT MAINTENANCE



2015 WASTEWATER FLOWS

2015 Wastewater Flows		
Date	Main Lift Station	Discharge Flume
Jan-15	18,161,480	18,884,730
Feb-15	15,118,600	14,973,746
Mar-15	18,341,100	15,159,634
Apr-15	17,404,560	18,480,110
May-15	20,269,890	20,816,610
Jun-15	26,810,360	24,467,290
Jul-15	25,097,610	26,779,200
Aug-15	25,871,070	23,589,440
Sep-15	24,595,270	14,687,070
Oct-15	21,420,680	19,758,550
Nov-15	17,773,380	12,070,890
Dec-15	18,231,060	16,476,480
Total:	249,095,060	226,143,750

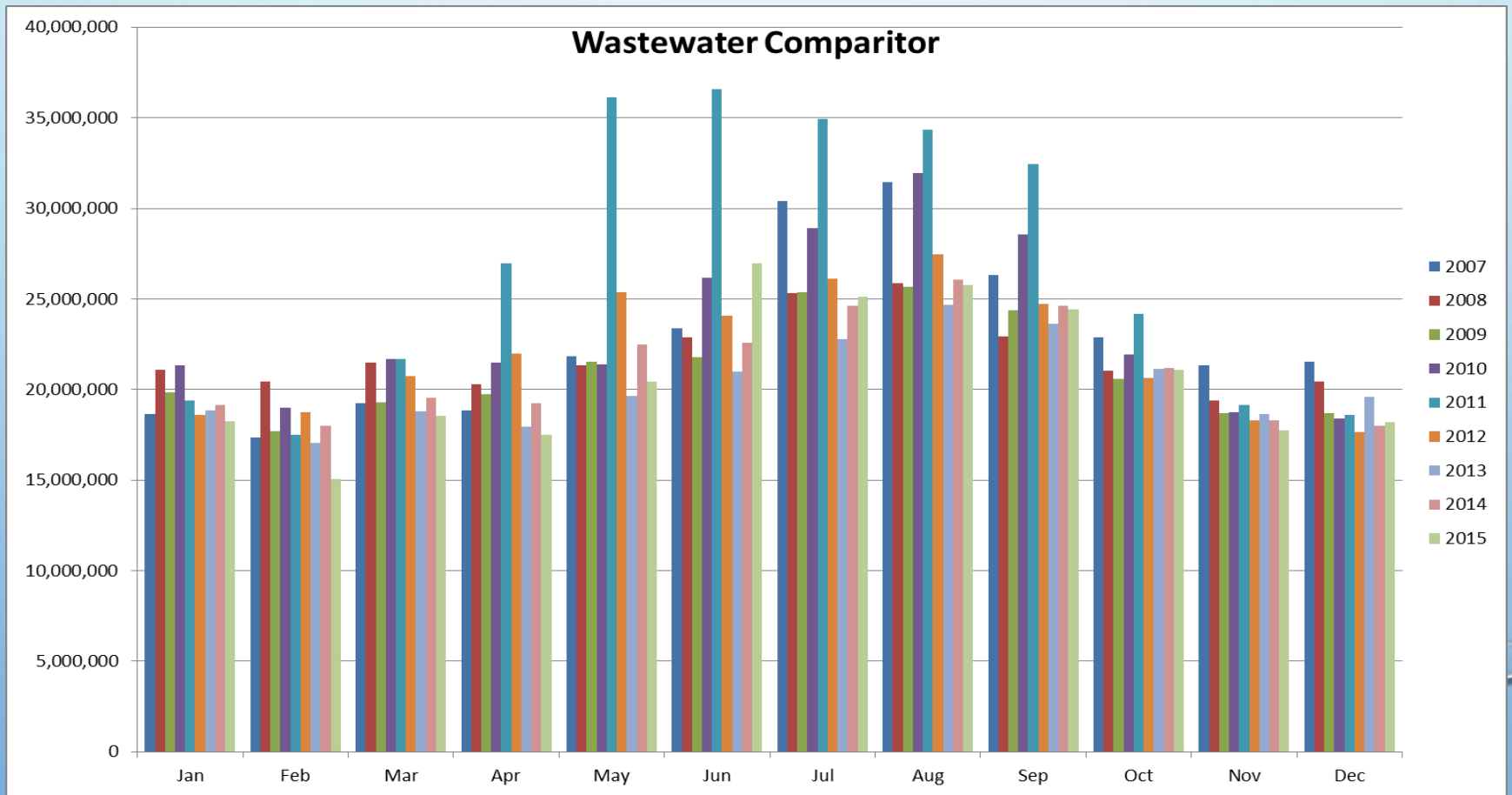
WATER PRODUCED AND WASTEWATER TREATED



WASTEWATER ANALYSIS SAMPLING TOTALS

- 260 E.COLI
- 2 SELENIUM
- 2 DISSOLVED ARSENIC
- 12 URANIUM
- 12 TOTAL SUSPENDED SOLIDS
- 2 NITRATE
- 12 AMMONIA
- 29 BIOLOGICAL OXYGEN DEMAND (BOD) OUTFALL 001
- 4 WHOLE EFFLUENT TOXICITY (WET TESTING)
- PRISON WASTEWATER TESTING – BOD, PH, TEMPERATURE

WASTEWATER TREATED



MAJOR ACCOMPLISHMENTS:

- AIR LINE PIPE REPLACEMENT ON POND #1



- AIR LINE JOINT REPAIR ON POND #1



POND # 1 CLEANING

BEFORE



AFTER



SEWER COLLECTION SYSTEM UPGRADES NEEDED! SUPPORT CAPITAL REPLACEMENT PROGRAMS

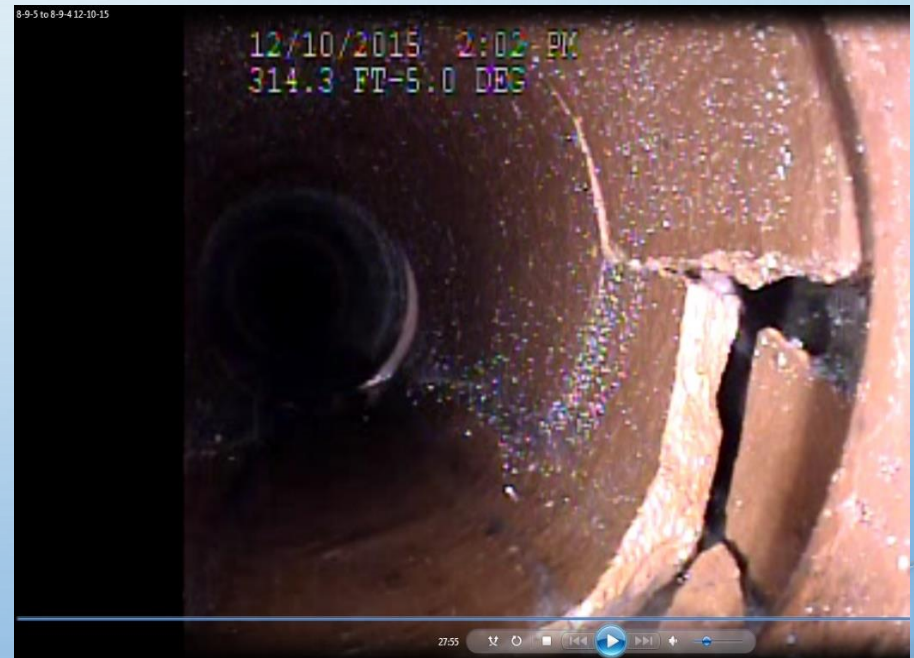


THOUSANDS OF FEET OF FAILING SEWER LINES IN THE CITY! SUPPORT UTILITY RATE INCREASES!

ROOTS AND HOLES IN
THE SEWER LINES



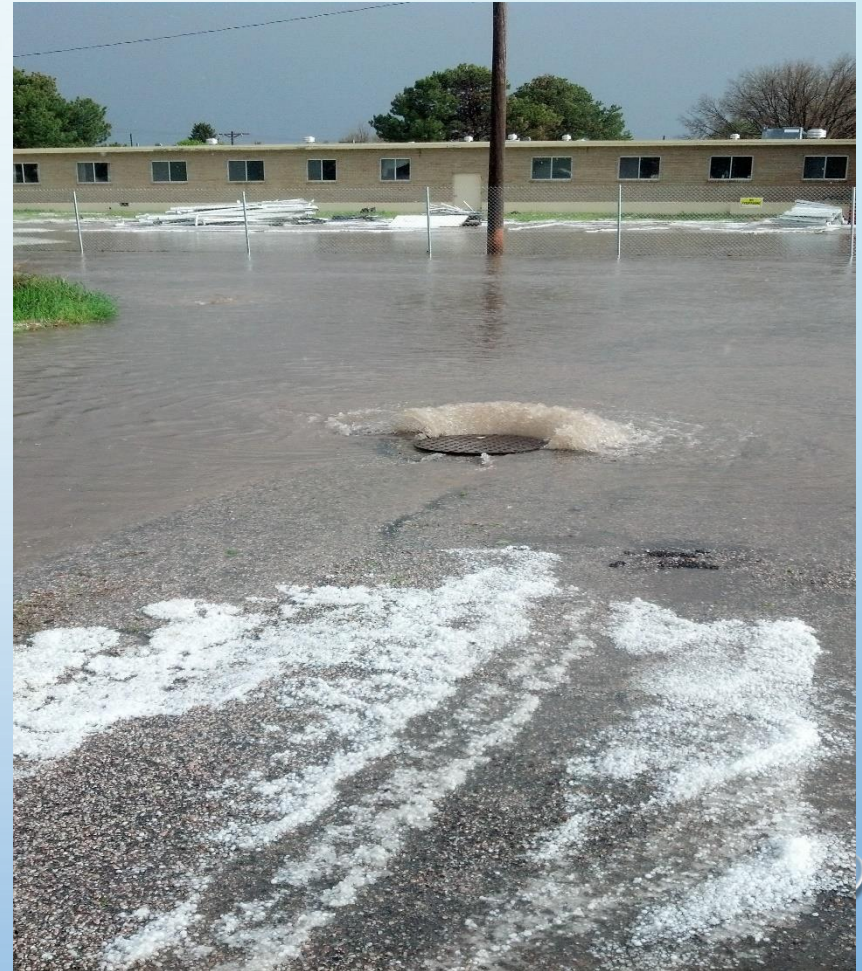
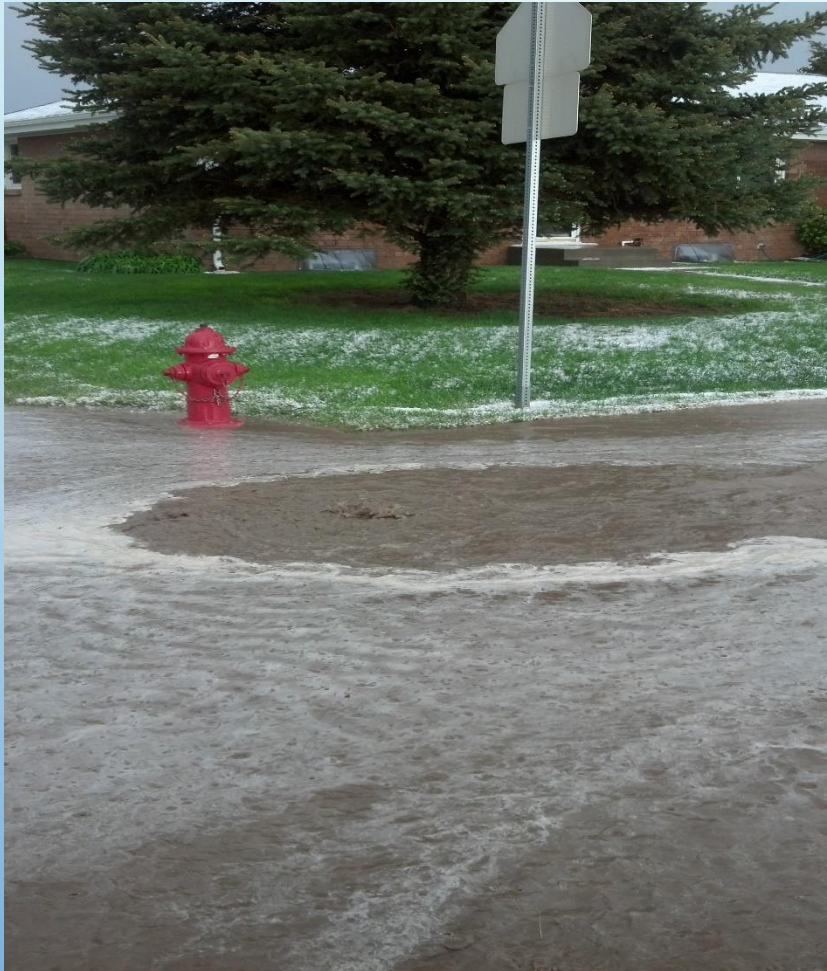
CRACKED CLAY SEWER
LINES



PIONEER RV PARK IMPROVEMENTS REVENUE UP OVER \$3000 FOR 2015 SUPPORT RECREATION NEEDS OF TORRINGTON.



STORM WATER FLOODING OF 2014



Storm Water Utility should be considered to provide funding for future improvements.

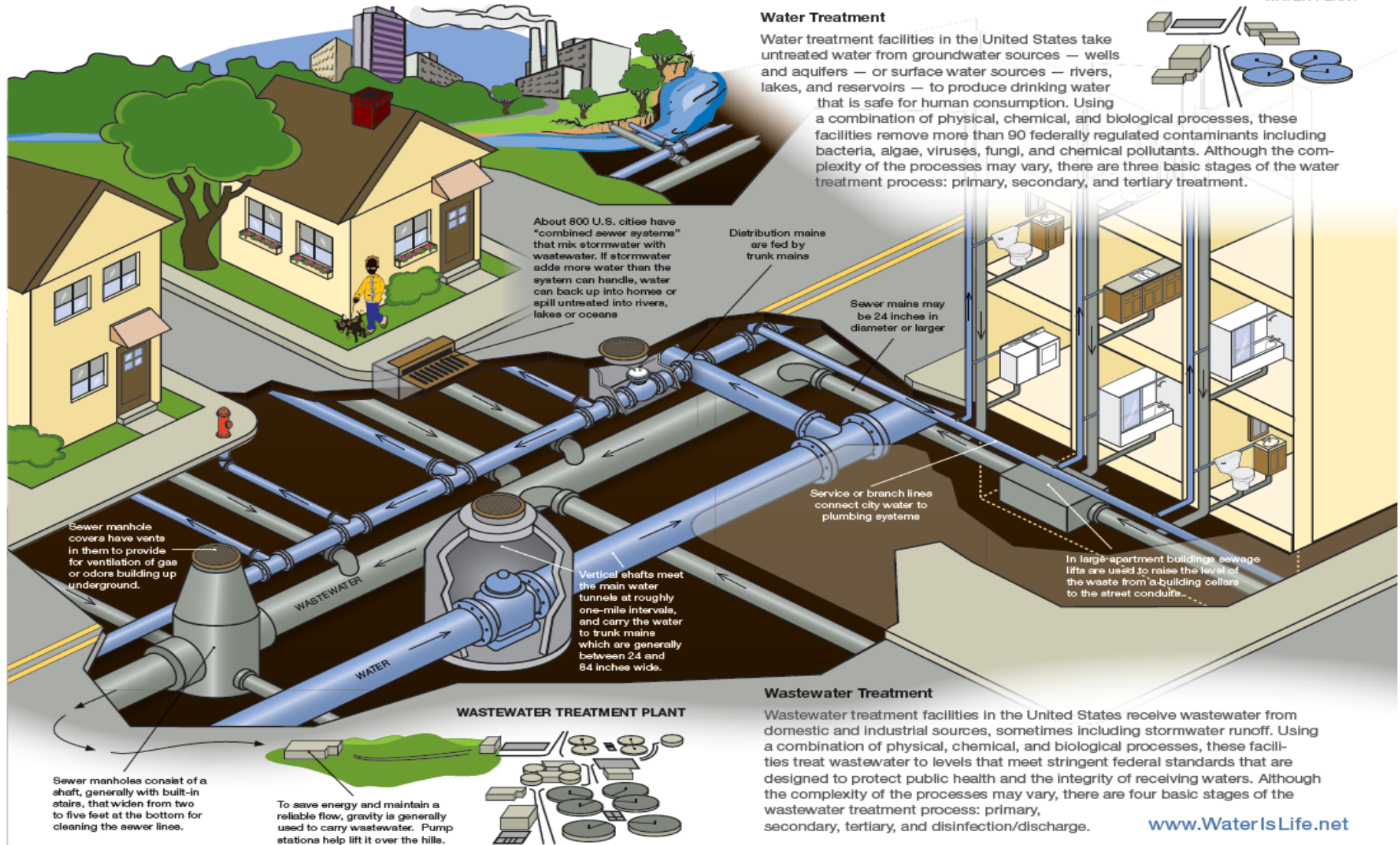
STORM WATER DRAINAGE UPGRADES 25TH & WEST B 2015



Storm Water Utility should be implemented to provide funding for future improvements.

The Water Infrastructure Beneath Your Feet

Making the connection to your home, business and quality of life.





Department Staff & WDEQ Certifications

Department Head:

Tom Troxel

Level IV Water; Level II Wastewater; Level II Collection, Level II Distribution

Operators:

Foreman

Chris Powell

**Level IV Water; Level II Wastewater; Level II Collections; Level II Distribution;
ASSE Backflow Tester**

Senior Operator

Jeff Craig

**Level IV Water; Level II Waste Water; Level II Collections; Level II Distribution;
ASSE Backflow Tester; ASSE Backflow Surveyor**

Matt Heilbrun

**Level IV Water; Level II Wastewater; Level II Collections; Level II Distribution
ASSE Backflow Tester**

Rusty Gurney

Level II Water; Level I Wastewater; Level II Collections; Level II Distribution

Dave Burt

Level I Water; Level II Wastewater; Level II Collections; Level II Distribution

Dale Radford

Level III Water

Brent Powell

Operator in Training

Becky Moffat

Administrative Assistant

Other City Employees holding licenses:

Luis Correa

Operator in Training

Jason Wilhelm

Level I Water

Kelly Matlock

Level I Water; Level I Wastewater; Level II Collections; Level II Distribution

Department Goals:

- IMPLEMENTING AN EFFECTIVE CAPITAL PROGRAM FOR WATER, SEWER & STORM
- WATER & SEWER RATE STUDY
- FUTURE SHOP FACILITY
- DEVELOP STORM WATER PLAN – IMPLEMENT NEW ORDINANCE AND RATES
- WATER CONSERVATION (NON-POTABLE SITES)
- WASTEWATER PLANT UPGRADES
- CONTINGENCY/RESERVE FUNDS
- UPDATE POLICIES AND PROCEDURES
- BEGIN NEW CAMERA TRUCK INSPECTION WORK
- VALVE AND FIRE HYDRANT MAINTENANCE
- SOURCE WATER PROTECTION
- STORM SEWER AND SANITARY SEWER MAINTENANCE
- INCREASE OPERATOR TRAINING
- ORDINANCE REVISIONS
- WATER SYSTEM BACKUP PLAN
- BEGIN A DETAILED GRANT PROGRAM